1	WHAT IS CLAIMED IS:		
2			
3	1.	A homogeneous, amorphous catalyst support comprising a	
4		modifying-metal-oxide and a base-metal oxide, in which the	
5		modifying-metal-oxide is homogeneously distributed throughout the	
6		base-metal oxide, the catalyst support having a Surface to Bulk	
7		modifying-metal /base-metal atomic ratio of from about 0.6 to about 1.3	
8		and exhibiting an X-ray diffraction having broader line width and lower	
9		intensity than is exhibited by the base-metal oxide.	
10			
11	2.	A catalyst support according to claim 1, wherein the	
12		modifying-metal-oxide is selected from the group consisting of silica,	
13		titania, zirconia, magnesia and mixtures thereof.	
14			
15	3.	A catalyst support according to claim 1, wherein the base-metal-oxide	
16		is selected from the group consisting of alumina, silica, titania and	
17		mixtures thereof.	
18			
19	4.	A catalyst support according to claim 3, wherein the	
20		modifying-metal-oxide is selected from the group consisting of silica,	
21		titania, zirconia, magnesia and mixtures thereof.	
22			
23	5.	A catalyst support according to claim 4, wherein the base-metal oxide	
24		is alumina and the modifying-metal-oxide is silica.	
25			
26	6.	A catalyst support according to claim 5, wherein the catalyst support	
27		comprises from about 70 wt% to about 99.75 wt% alumina.	
28			
29	7.	A catalyst support according to claim 5, wherein the catalyst support	
30		comprises from about 90 wt% to about 99 wt% alumina.	
31			
32	8.	A catalyst support according to claim 5, which has been prepared by a	

cogel process.

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1	9.	A homogeneous, amorphous silica-modified-alumina catalyst support
2		having a Surface to Bulk Si/Al ratio of from about 0.6 to about 1.3 and
3		exhibiting an X-ray diffraction having broader line width and lower
4		intensity than is exhibited by unmodified alumina.
5		
6	10.	A catalyst support according to claim 9, wherein the Surface to Bulk
7		Si/Al ratio is from about 0.8 to about 1.2.
8		
9	11.	A catalyst support according to claim 9, wherein the Surface to Bulk
10		Si/Al ratio is from about 0.9 to about 1.1.
11		
12	12.	A catalyst support according to claim 9, wherein the Surface to Bulk
13		Si/Al ratio is from about 1.0.
14		
15	13.	A catalyst support according to claim 9, wherein the catalyst support
16		comprises from about 70 wt% to about 99.75 wt% alumina.
17		
18	14.	A homogeneous, amorphous silica-modified-alumina catalyst support
19		exhibiting an X-ray diffraction having a broader linewidth and lower
20		intensity than is exhibited by unmodified alumina.
21		
22	15.	A catalyst support according to claim 14, wherein the full linewidth is
23		50% greater than the linewidth of unmodified alumina when measured
24		at half height.
25		
26	16.	A catalyst support according to claim 14, wherein the intensity is at
27		least 25% lower than for the unmodified alumina.
28		
29	17.	A catalyst for the Fischer-Tropsch process comprising a homogeneous
30		amorphous catalyst support comprising a modifying- metal-oxide and a
31		base-metal oxide, in which the modifying-metal-oxide is
32		homogeneously distributed throughout the base-metal oxide, the
33		catalyst support having a Surface to Bulk modifying-metal /base-metal

1 atomic ratio of from about 0.6 to about 1.3 and exhibiting an X-ray 2 diffraction having broader line width and lower intensity than is 3 exhibited by the base-metal oxide and a catalytically active Group VIII 4 metal. 5 6 18. A catalyst according to claim 17, further comprising at least one 7 promoter. 8 9 19. A catalyst according to claim 17, wherein the modifying-metal-oxide is 10 selected from the group consisting of silica, titania, zirconia, magnesia 11 and mixtures thereof, the base-metal-oxide is selected from the group 12 consisting of alumina, silica, titania and mixtures thereof. 13 14 20. A catalyst according to claim 19, wherein the catalytically active 15 Group VIII metal is selected from the group consisting of cobalt, iron 16

and mixtures thereof.